

Course Syllabus

Cuyamaca College Spring 2025

Math 120 (Section 6900)

Quantitative Reasoning

Instructor: Fred Watson Email: fred.watson@gcccd.edu

I check emails several times each day and I respond as soon as they are checked.

Class Times: Tuesday 9:30-10:50

Thursday 9:30-10:50

Class Location: H-114

Student Hours: Tuesday, Thursday after class 10:50-12:00 on 2-4, 2-6, 2-11, 2-13, 2-18, 2-20, 2-25, 2-27 and Tuesday after class 10:50-11:30 on 3-4

Student Hours Location: H-131 or H-135

This course is taught using Canvas. To access our course, log in to Canvas via [Cuyamaca College's website](#)

[Links to an external site.](#) by clicking the link at the top of the page.

Questions about Canvas are best handled by Canvas Support (1-844-629-6835). The Canvas Guides are an excellent resource for you as well.

Catalog Description: The students will survey the historical development of mathematics and apply topics such as logic, geometry, probability, statistics, problem solving, sequences and patterns, numeration systems, and personal finance to develop quantitative reasoning skills. Designed for students who do not intend to prepare for a career in science or business.

Prerequisite: Appropriate mathematics placement.

Student Learning Outcomes: Students will be able to:

- 1) Utilize the concept of logic (inductive vs. deductive reasoning), set theory, and various problem-solving strategies to analyze problems and to formulate and carry out appropriate solution strategies.
- 2) Identify and practice problem solving skills related to survey and historical topics.
- 3) Apply logic and reasoning to problems based on life experiences or current events.
- 4) Solve problems using diagrams, maps, graphs, and other geometric figures.
- 5) Calculate and interpret quantities important for understanding probability, statistics, personal finance, or other survey topics.
- 6) Analyze patterns in order to develop solutions, formulas, or predictions about survey concepts.
- 7) Communicate reasons why solutions are correct or applicable, and the value of understanding a given survey topic.

eBook: Sobecki & Mercer. Math in our World: A Quantitative Reasoning Approach. McGraw-Hill, 2021. The eBook is available with the purchase of ALEKS software which is required for the class. The purchase of ALEKS software is the only cost for taking the Math 120 course. The cost is \$73.50 for the entire semester. We will set up the ALEKS software during our second class on Thursday 2-6.

Laptops and Calculators: Access to the internet and the use of graphing calculators are required for the course. Laptops and TI-84 calculators may be checked out at the LRC for the entire semester for free. Also, TI-84 calculators may be checked out at the front desk in the H building for use during class.

CLASS POLICIES/ EXPECTATIONS:

Your decision to enroll in this class constitutes an implicit agreement to the following:

Attendance

Attendance will be taken for every class. The attendance policy follows below.

- You are expected to attend each class, **arriving on time** and **remaining for the entire class**.
- You may be dropped from the class if you are absent more than four times. When you are dropped you may receive a “W” or an “F”, depending on the date dropped.
- Arriving late or leaving early may be counted as an absence
- Any changes and class announcements will be made known in class. It is not acceptable to return to class following an absence and claim that you did not know about some assignment. No assignments will be accepted late. There will be no extensions on due dates for assignments and no exceptions.

Grades

Your grade is based on the percentage of the number of points you have acquired over the semester to the total number of points possible. Your current average for the course is updated after every point earned.

The grading scale for Math 120 is:

A=90% or higher, B=80%-89.9%, C=70%-79.9%, D=60%-69.9%, F=0%-59.9%

To earn a C or better in the class a student must earn an overall grade of C or better AND

1. a D or better on the final assessment(s) where the instructor defines what constitutes the grades of C and D OR
2. an average of a C or better on all exams which includes the final assessment(s) (without dropping any exam scores) where the instructor defines what constitutes the grade of C.

Academic Integrity

Students are expected to adhere to the [College's Academic Honesty/Dishonesty Policy](#)

[Links to an external site.](#) found in the College Catalog. Academic dishonesty of any type by a student provides grounds for disciplinary action by the instructor or college. In written work, no material may be copied from another without proper quotation marks and appropriate documentation.

Plagiarism is considered academic theft because it is stealing someone else's words or ideas, but the plagiarizer robs himself or herself as well. This course will provide you with the opportunity to improve your reading, thinking, and writing skills—don't rob yourself of that chance.

Plagiarism detection software in Canvas will be used to scan written submissions. Plagiarized work will earn a failing grade and may put the plagiarizer at risk of failing the course and/or facing misconduct charges.

Student Support Services

Cuyamaca College has many programs and services available to support students in a variety of ways. Check out the [Student Resource Guide](#)

[Links to an external site.](#)

Cuyamaca Cares is a program that offers many opportunities for help with food, housing, and personal counseling. If you have a specific need, please email Kaylin Rosal (Kaylin.Rosal@gcccd.edu).

Students may apply **each semester** for CARES Act funds and must check the application box that indicates their request is in some way related to COVID-19. This can be due to reduction in work hours, loss of a job, costs associated with online learning or daily living, the need to purchase technology, rise in utility costs, assistance with room and board, and any other related expense.

Through Canvas, you can also access Cuyamaca-Net Tutor which allows you to get help from a tutor online.

To support your efforts to succeed in this class, it is highly recommended that you utilize the free tutoring services available. Specific information for tutoring is available at the front desk in the H building. The hours are Monday & Thursday 9:00 am – 6:00 pm; Tuesday & Wednesday 9:00 am – 7:00 pm; Friday 10:00 am – 2:00 pm. To make an appointment, please either call 619-800-2407 or email cuyamacatutors@gmail.com with the course and time you would like to meet with a tutor. The college also offers additional online tutoring through NetTutor which can be accessed 24/7 through your Canvas course.

DSPS Accommodations

Academic accommodations are available for students with disabilities. If you suspect that you have a learning disability, or require services for any other type of disability, please contact Disabled Student Programs and Services by Phone: 619-660-4239 or TTY: 619-660-4386.

If you have a documented disability and need accommodations for this class, please send me your DSPS Academic Accommodation form as early as possible. You must complete the online Test Accommodations Registration form on the Test Proctor Website or contact the Test Proctor directly.

Hate Free Zone

In our classroom, each student should feel free to express their own opinion and ideas in a respectful manner. Students should be open to listen to and appreciate differences in opinions, life experience, worldviews, values/beliefs, etc. Our class is a hate-free zone. Please be mindful of how you communicate your values, beliefs, ideas, opinions, etc. While we will often disagree with other people, it does not give anyone the right to intentionally hurt others with words or to discriminate against them. Words matter.

Emergency Plan

If our course or instructor unexpectedly becomes unavailable, continue following the schedule to complete assignments. In emergency situations, college updates will be provided via the emergency notification system and social media.

Spring 2025 Academic Calendar

Application Deadline (for appointment time)	October 25
Registration	November 12 - February 2
Intersession 2025	January 6 - February 1
Last Day to Pay for Registration	Refer to Class Schedule
Holiday (Martin Luther King Day)¹	January 20
Professional Development - Organizational Meetings	January 27 - 31
Full Semester/First 8-Week Classes Begin	February 3
Program Adjustment	
Links to an external site.	February 3 - February 16
Holiday (Lincoln's Birthday Observed)^{1,2}	February 14
Last Day to Drop without "W" (semester length classes)	February 16
Last Day to Apply for Refund (semester length classes)	February 16
Holiday (Washington's Birthday Observed)¹	February 17
Census Day(semester length classes)	February 18
Last Day to Apply for Spring 2025 Degree/Certificate	
Links to an external site.	March 7
Last Day to Apply for P/NP	
Links to an external site. (1st 8-weeks length classes)	Last Day of Instruction
End of First 8-Week Session	March 29
Spring Recess	March 31 - April 3
First 8-Week Instructors Grade Deadline	April 3
Spring Holiday^{1,2,3}	April 4
Second 8-Week Session Begins	April 7
Last Day to Drop Semester Length Classes (with "W")	May 3
Holiday (Memorial Day)¹	May 26
Last Day to Apply for P/NP	
Links to an external site. (2nd 8-week and semester length classes)	Last Day of Instruction
End of Second 8-Week Session & Full Semester Classes	June 2
Spring Semester Ends	June 2
Grossmont Commencement	June 4
Cuyamaca Commencement	June 5
Instructor Grade Deadline	June 6
Summer 2025	June 9 - August 2

¹ College and District Offices Closed

² No Classes on Saturday after the Friday holiday

³ In recognition of Cesar Chavez